HIKVISION

HikCentral Professional

The New Version V2.6 Released!

Next-Generation Offsite Monitoring Platform

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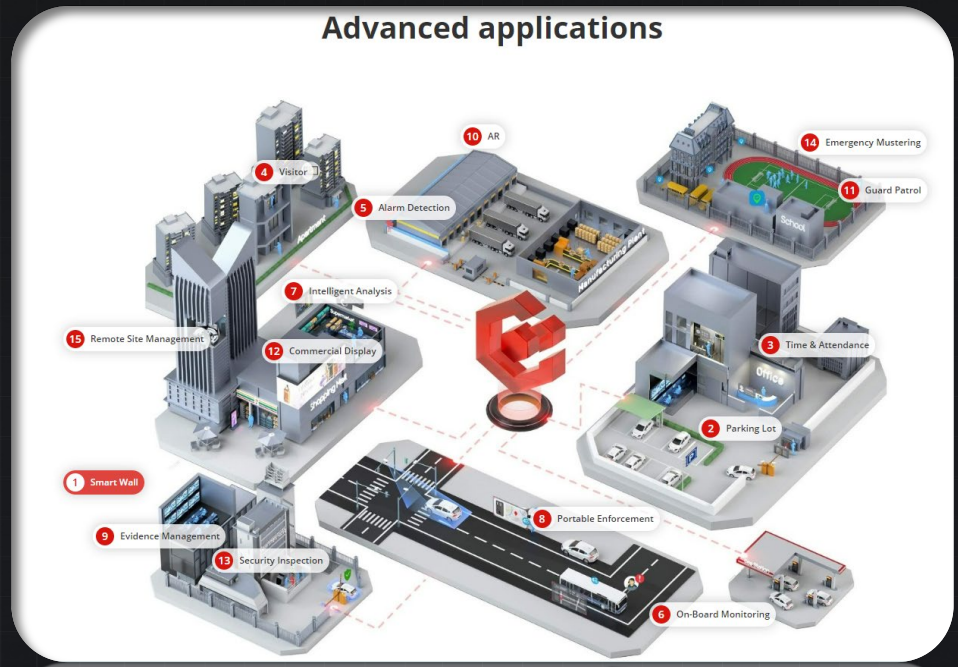
2 HikCentral Professional Reguard Module

3 New Advanced Application Introduction

HikCentral Professional Global Presence

150+ Countries / Regions

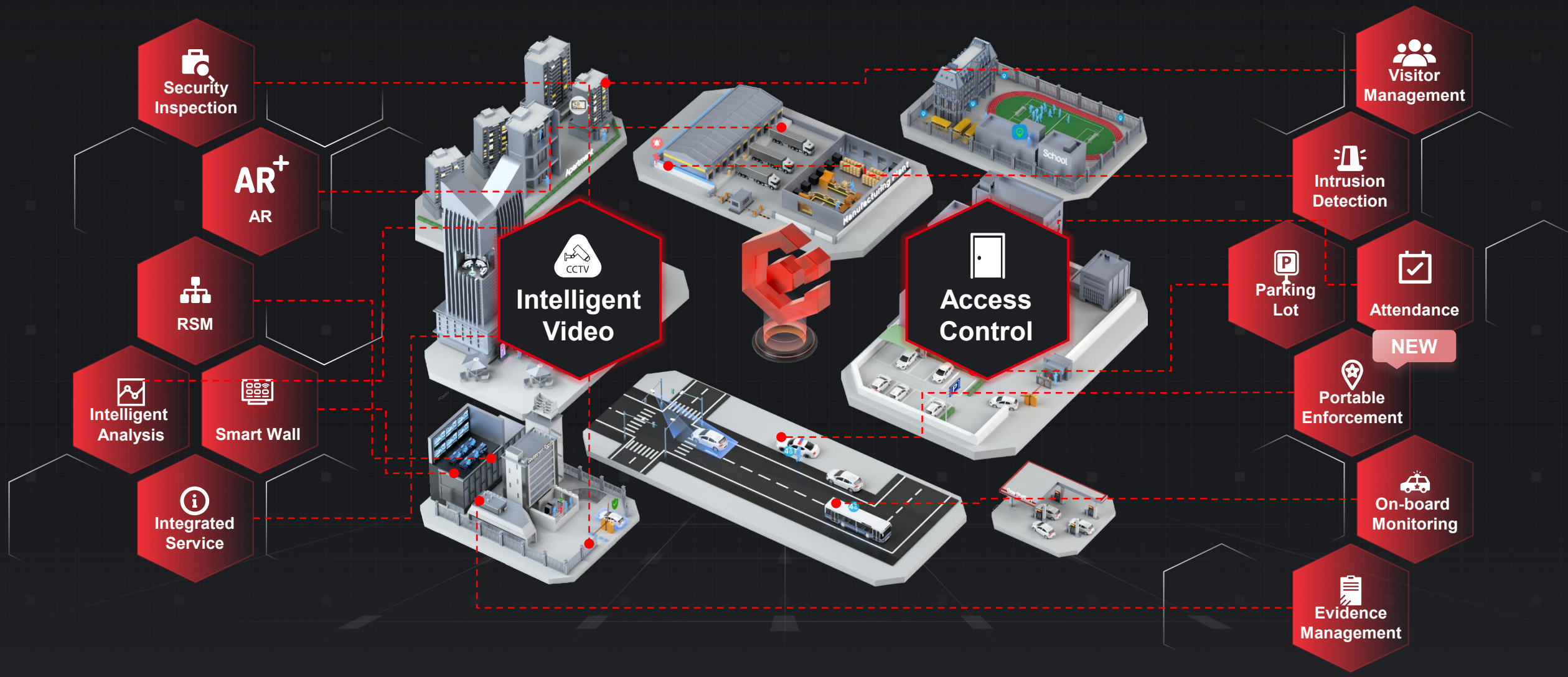


7,000,000+ Security Devices

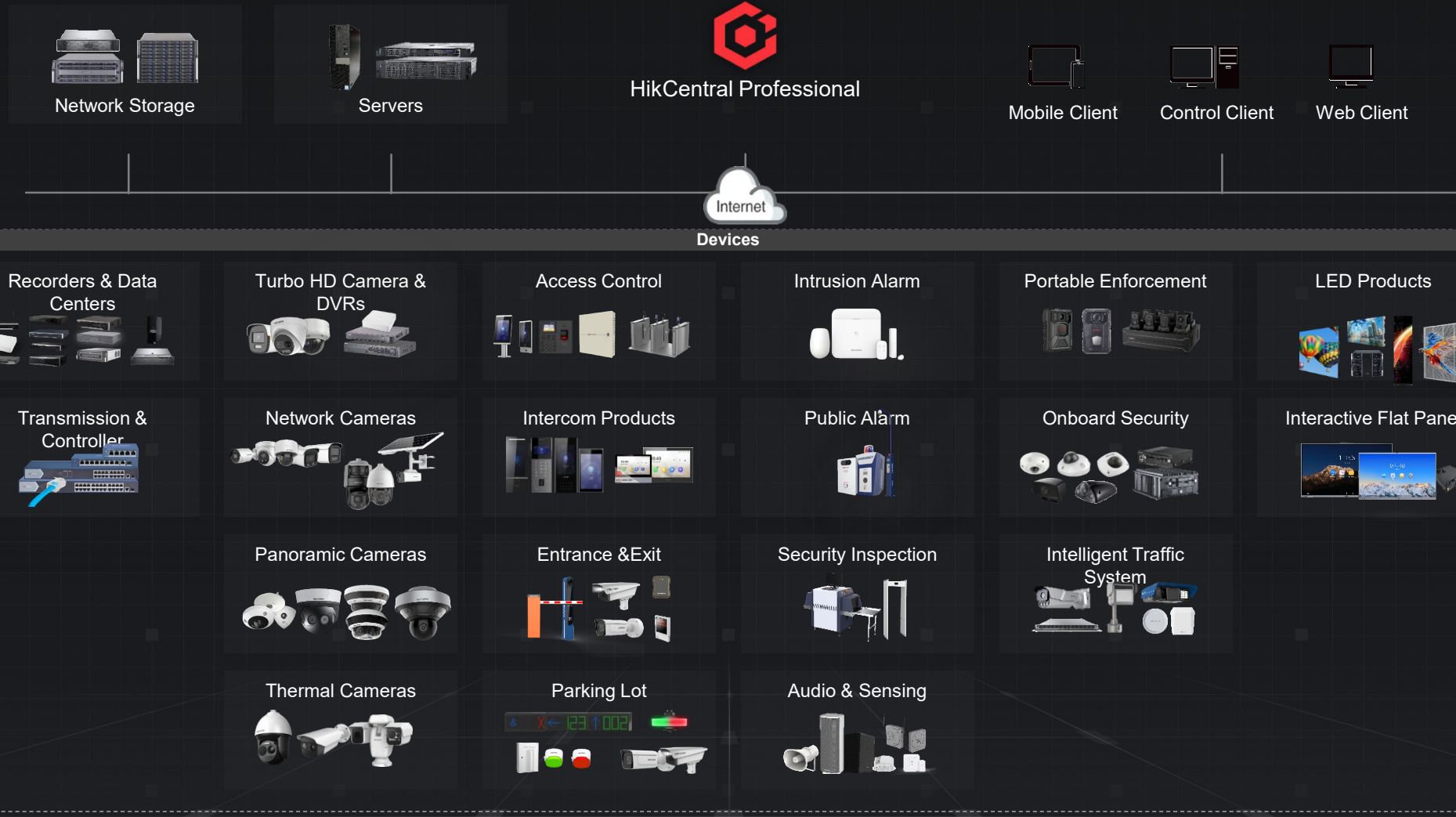
HikCentral Professional Application Overview

Rich applications for assorted industries

Industrial Park | Retail | Building | Monitoring Center | Roads & Traffic | ETC.



Topology and Supported Product Lines



New HikCentral Professional Architecture

Tailored offering of different scale project

Assembly Option I

Full installation of the Dedicated Software

One complete HikCentral Professional installation package, including all functions and business modules, installable with a single click!

Need more server hardware resource!

Assembly Option II:

Base Installation + Add-On Purchase & Deployment

App Market

Embedded App Market to realize easy add-on installation.

Security Add-On Applications

- On-board Monitoring
- Parking Lot
- Visitor Management
- RSM
- AR
- Intrusion Detection
- Evidence Management
- Smart Wall

Industrial Add-On Applications

- Security Inspection
- Intelligent Analysis
- Integrated Service
- Visitor Management

Choose and install Add-on Products as needed

Base Installation Package

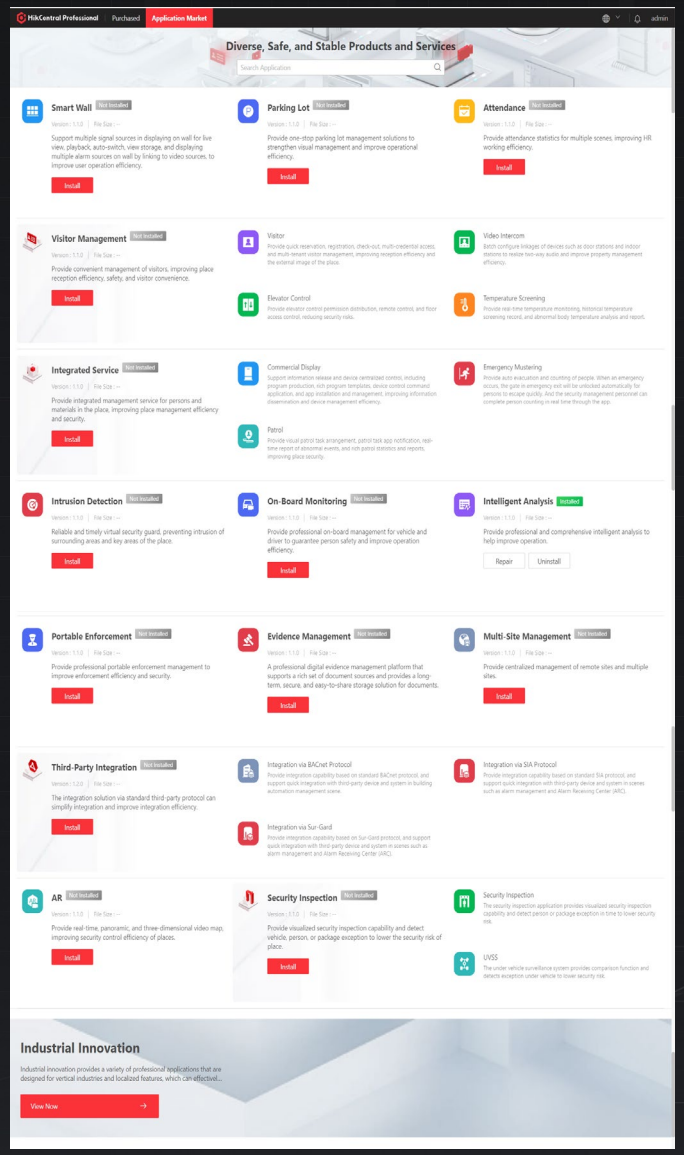
An independent installation to better fit the middle-size project

- ✓ **Video**
  - ✓ **ANPR**
  - ✓ **Face Recognition**
- ✓ **Access Control**

Video Management

Access Control

New Application Market - Choose the business module as needed



All Add-On

Global baseline - mature applications with worldwide market needs

- Portable Enforcement
- Intelligent Analysis
- Attendance
- Integration
- Parking Lot
- Intrusion Detection
- Visitor Management
- Smart Wall
- RSM
- On-board Monitoring
- Security Inspection
- AR
- Evidence Management

Independent Add-on

Embedded Add-on

Industrial Innovation

Industrial Applications

Global release, dedicated to vertical markets like retail, manufacturing, education, logistics, etc.

- Remote Audit
- Canteen Consumption
- Dock Management
- Parcel Tracking

Regional Applications

Regional release, no need for repetitive customization due to Base Package upgrade

- Parking Management - Europe
- ARC - Europe
- Reguard - Europe & Africa
- Attendance - Columbia

HIKVISION

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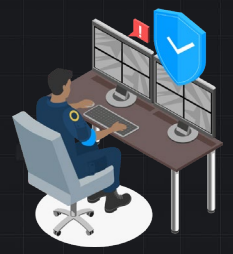
HIKVISION
HikCentral Professional
Reguard Add-on
Next-generation Offsite Monitoring Platform

Offsite Monitoring Service and Core Pain Points

Business Background

It generally refers to all business entities that provide monitoring, review and processing services to the alarm system, video surveillance system, video intercom system, and access control system deployed on the user side by the central monitoring center.

Offsite Monitoring Business



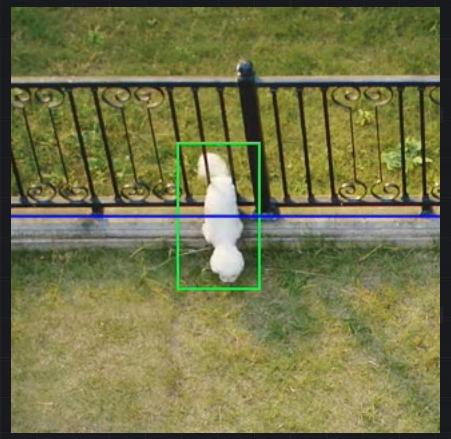
Alarm Receive Center

Armed response

Quick notification

End User

Core Pain Points



Too Many False Alarms

Unable to filter false alarms. Spend too much time to confirm the alarm.

Operator training cost high

Staff turnover frequently and cost high training time and resource

Operation Inefficient

Manually writing down operation records is inconvenient and easy to lose.

HikCentral Professional Reguard Introduction

An application for Alarm Receiving Centers (ARC) to be installed on HCP V2.6, providing customers with integrated remote security management services such as visualized alarms and virtual guard. In addition, it provides operational reports to support different decisions or resource adjustments

Main Applications

Visualize Alarm

Link alarms with corresponded video. Empowers the operator to effectively handle alarms and filter false alarms.

Standard Workflows

Eliminate non-standard operation and reduce plentiful training cost with predefined Standard operation process (SOP)

Rich Business Applications

No need to switch between different systems. Diversified applications are provided within the unified platform to reduce complexity and improve operating experience.

Purchase on Demand

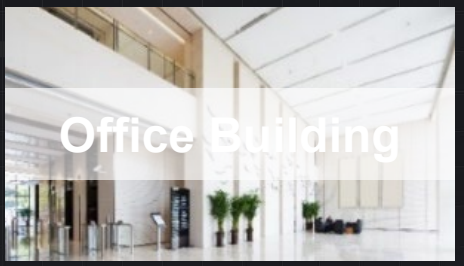
According to the system requirement, flexibly pay with subscription offer

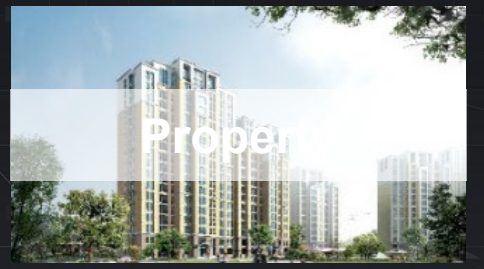
Main Benefit

Professional and Efficient

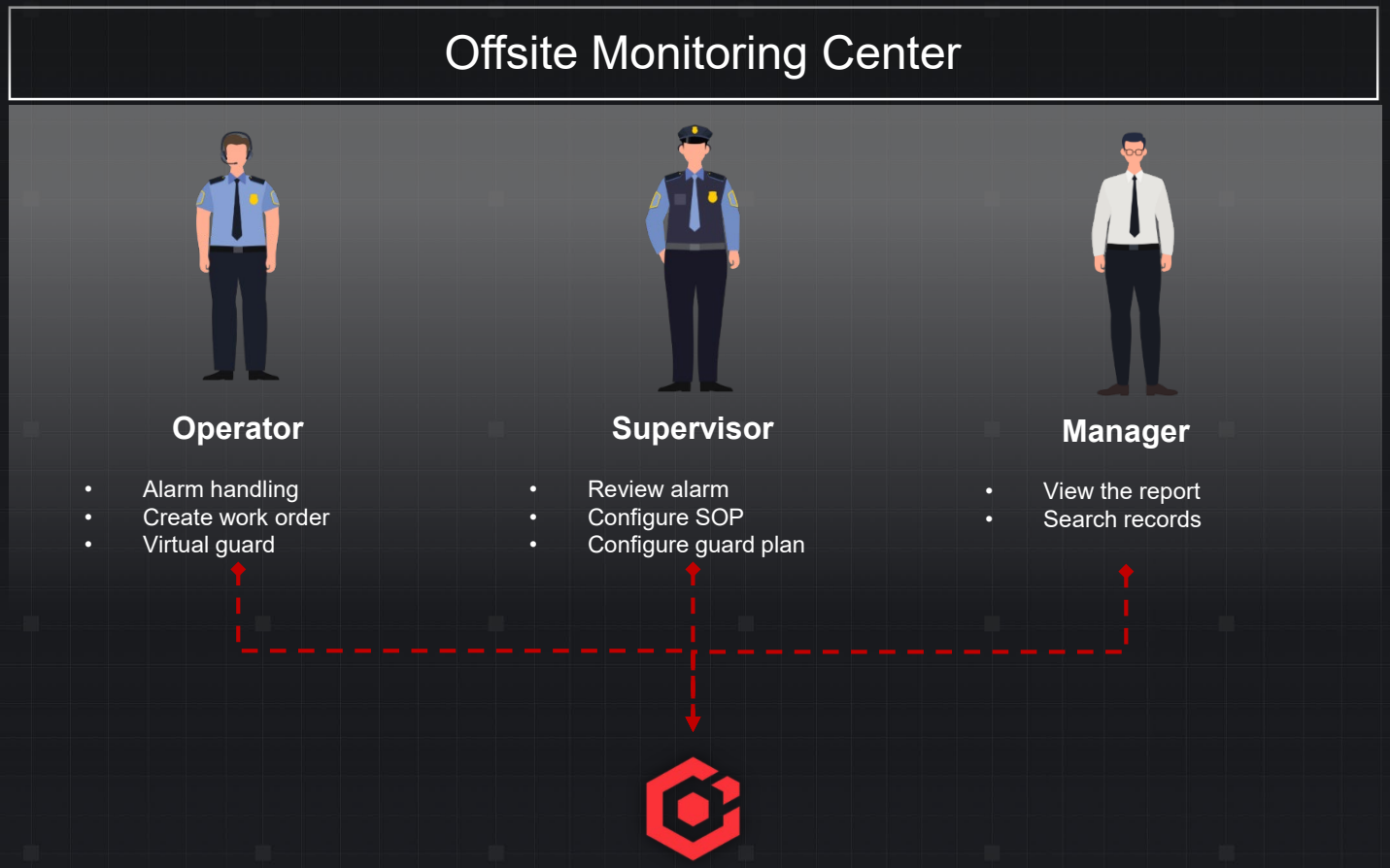
Flexible and Easy

Scenario





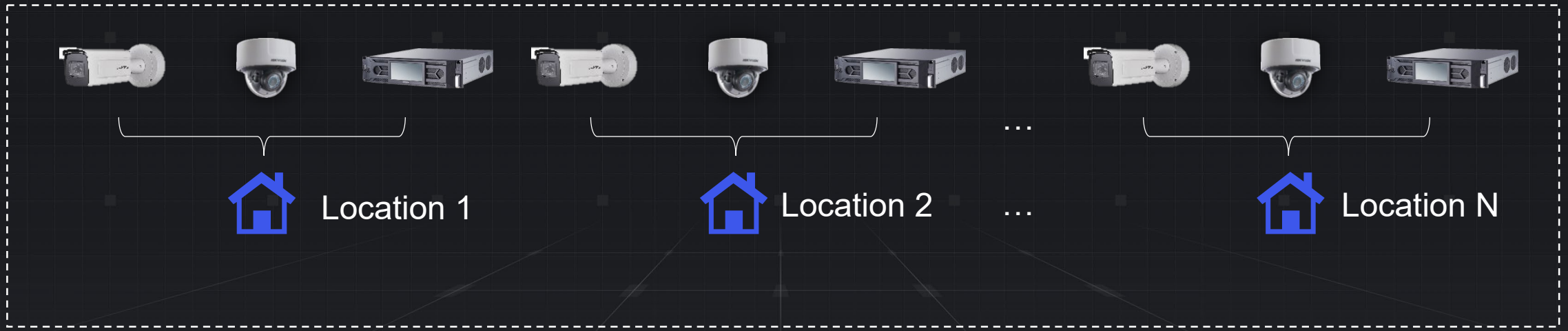
HikCentral Professional Reguard - Application Overview



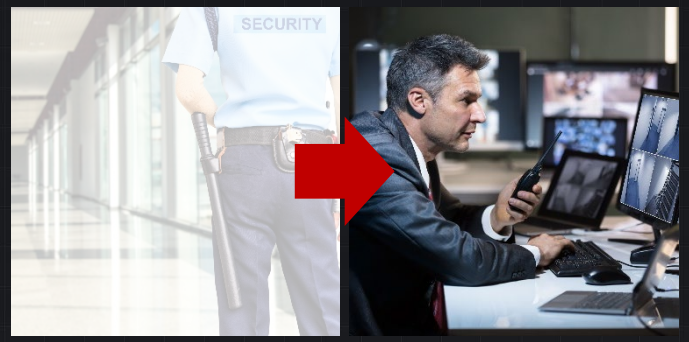
HikCentral Professional Reguard - Flexible and Easy

- Integrate perfectly with Devices , the Reguard Add-on can help Customers quickly connect and manage the devices and alarm with high efficiency.

HikCentral Professional with Reguard Add-on



HikCentral Professional Reguard - Professional and Efficient



Onsite checking

Remote verification

Reduce the time for verification alarms, improve the efficiency of operator.

Non-standard operation

Standard Operation Process (SOP)

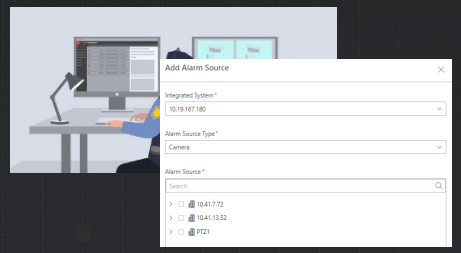
Setting standard workflows for applications, ensure the professional operation for every operator, and always improve the work efficiency

Traditional Alarm Handling

Smart Alarm Distribution Engine

Operator receiving alarms more reasonable, enhance the efficiency

HikCentral Professional Reguard - Smart Alarm Distribution



Configuration

- Add Locations and Devices
- Configure SOP
- …

Receive alarms

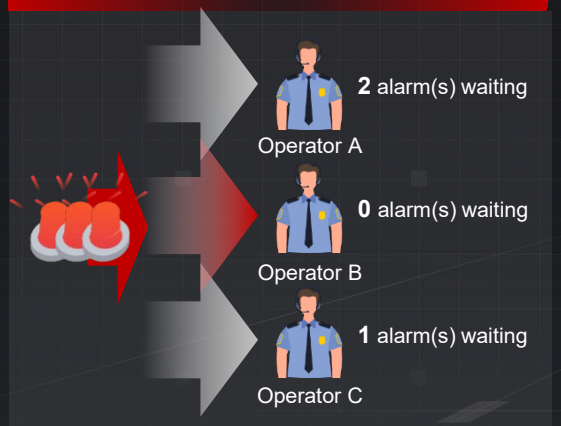
- The system auto distributes alarms to operators.

Operator handle alarms

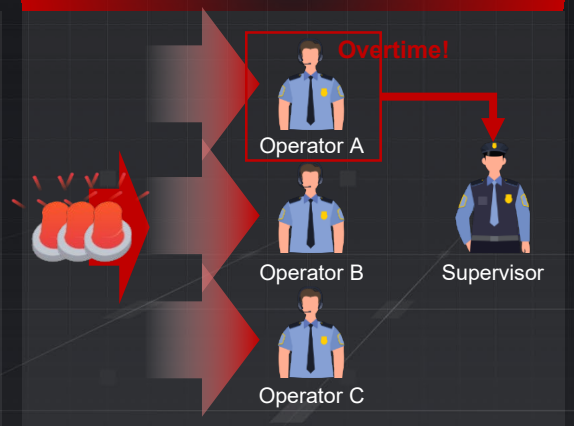
- Operator handles alarms by SOP

Smart Alarm Distribution Engine

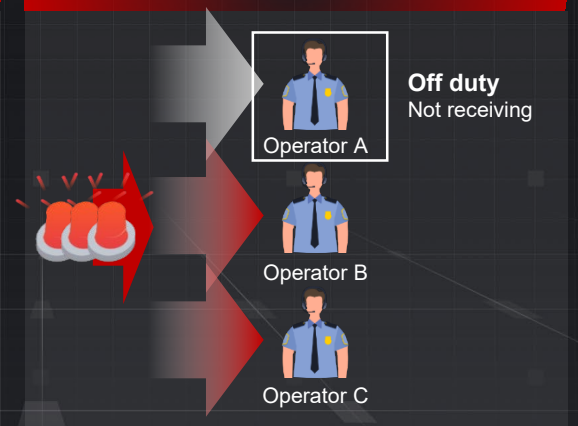
Alarm Load Balance



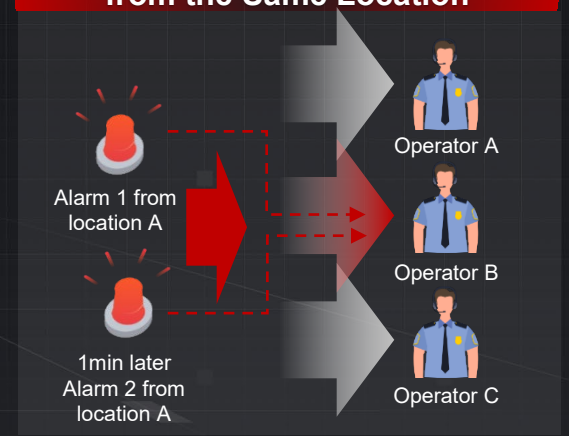
Alarm Auto-forward



Off-Duty Mode



Auto-grouping of Alarms from the Same Location



Visualized Alarm – Instantly view all alarm information at a glance

- Never miss an important notification with 24/7 video monitoring of all sites
- Conveniently save evidence in of pictures or videos for post-event investigation

- Alarm list with detail information time, location, status

- Display alarm triggered camera video

- Quickly checking linkage videos and position on map

Click to view the alarm description

- Handle Alarm by designed SOP

Preset SOP - Streamlined and Effortless

- SOP can reduce the cost of operator learning
- SOP can ensure operator operates in a standard way
- SOP enhances the efficiency of the operator

STEP 1: Call Police/Firemen.

SOP

Standard Handling Process

1.call 911

call 911

Status

called but failed

2.Save Evidence

save the video or pictures

Status

saved

3.Make Call

call the end user

Status

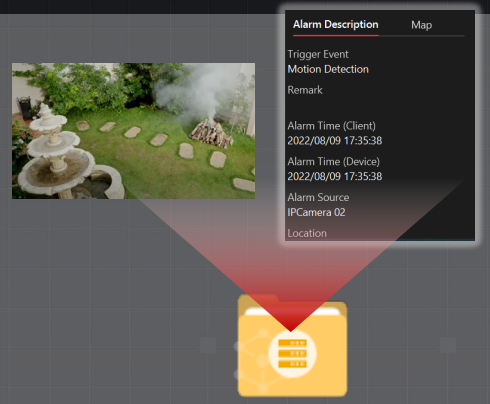
Not Called

4.Send Email

send email to the end user

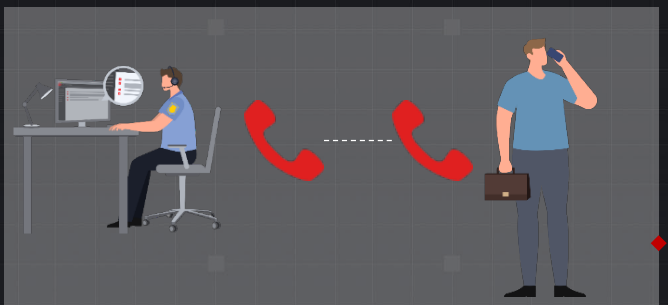
Status

Not Sent

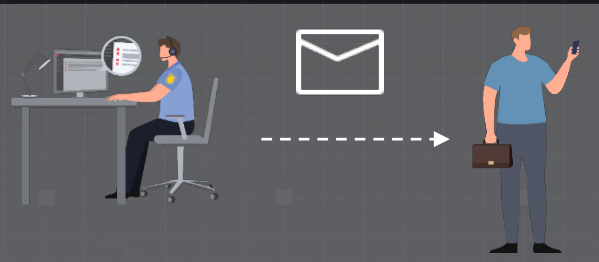


HCP Evidence Center

STEP 2: Save evidence

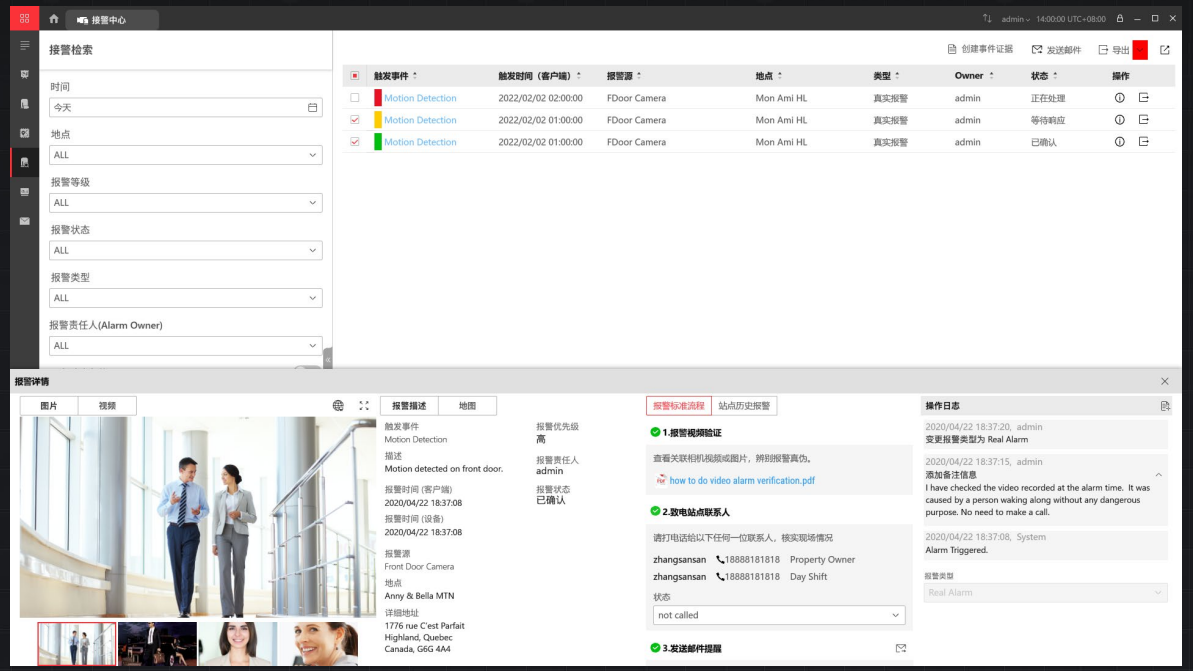


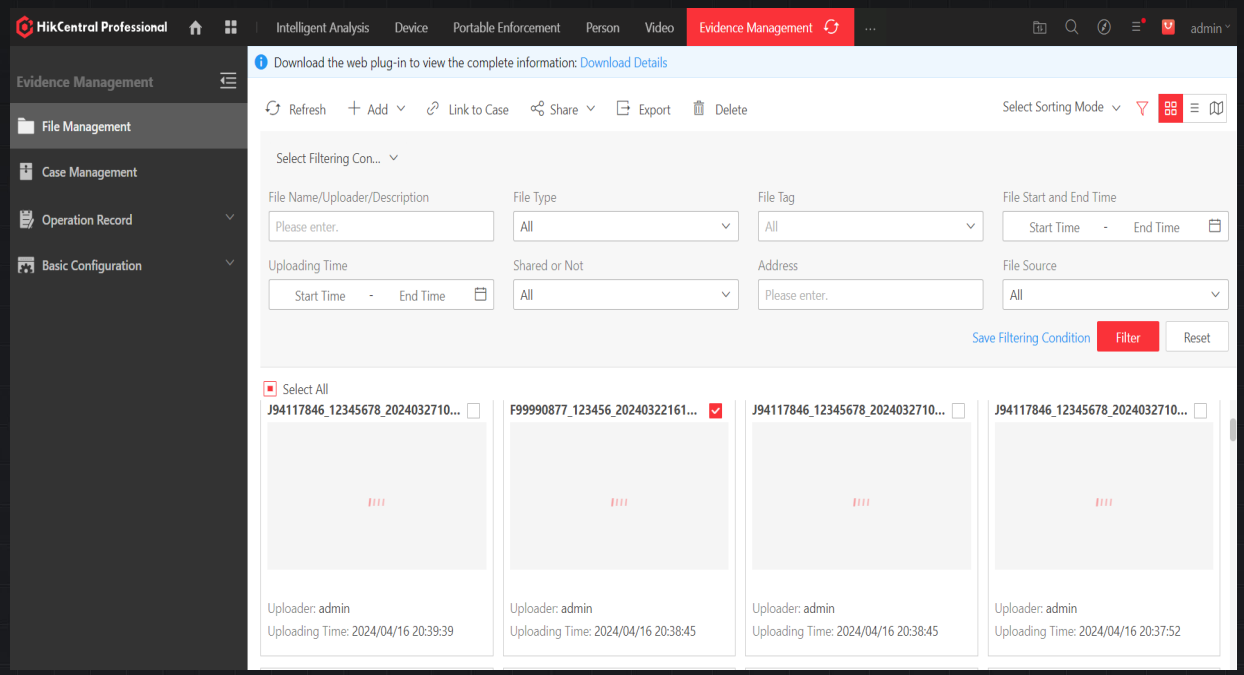
STEP 3: Inform the situation to the customer.



STEP 4: Send email including video and alarm info to the customer.

Quick Alarm Investigation and Evidence Search





Alarm search

- Supported various filter to search alarms, such as time, location, status, category, etc.

Event evidence search

- All the evidence can be searched in this module, provide evidence for investigation after event.

HikCentral Professional Reguard - Virtual Guard

- Remote video patrol is efficient and requires less manpower
- Patrol history/record will be saved for manager reviewing
- Requires long press to ensure someone is operating

Receive patrol reminding

Virtual Guard Tour Alarm

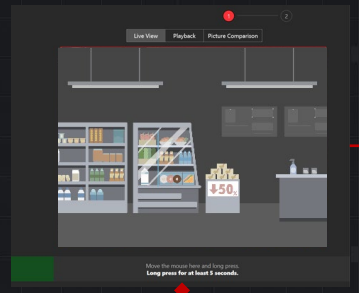
If the following virtual guard tour is not executed right now, it will be marked as "Not Started".
Location: hcc
Task Name: hcc-test01
Scheduled Start Time: 2022/08/03 16:12:00
Task Steps: 2

Execute Now | Later

Follow SOP to remotely patrol

1 → 2 → ○

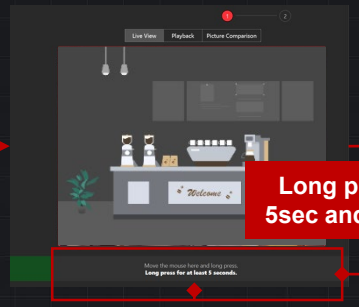
Check the store area



Standard Handling Process

- [x] 1. Check the doors and windows
- [x] 2. Suspicious person wandering
- [x] 3. People gathering

Check the counter

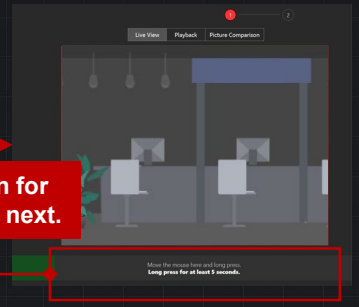


Long press the button for 5sec and switch to the next.

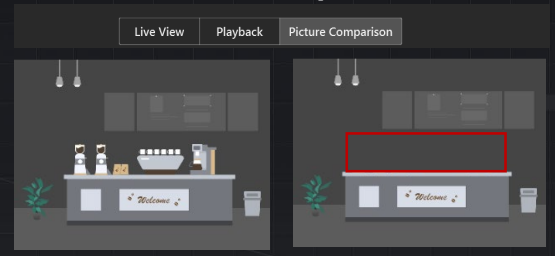
Standard Handling Process

- [x] 1. Check the doors and windows
- [ ] 2. Check counter order
- [ ] 3. Check overstay people

Check the office



Picture Comparison



Last Picture

This Picture
2022-8-17 20:00:15 +8:00

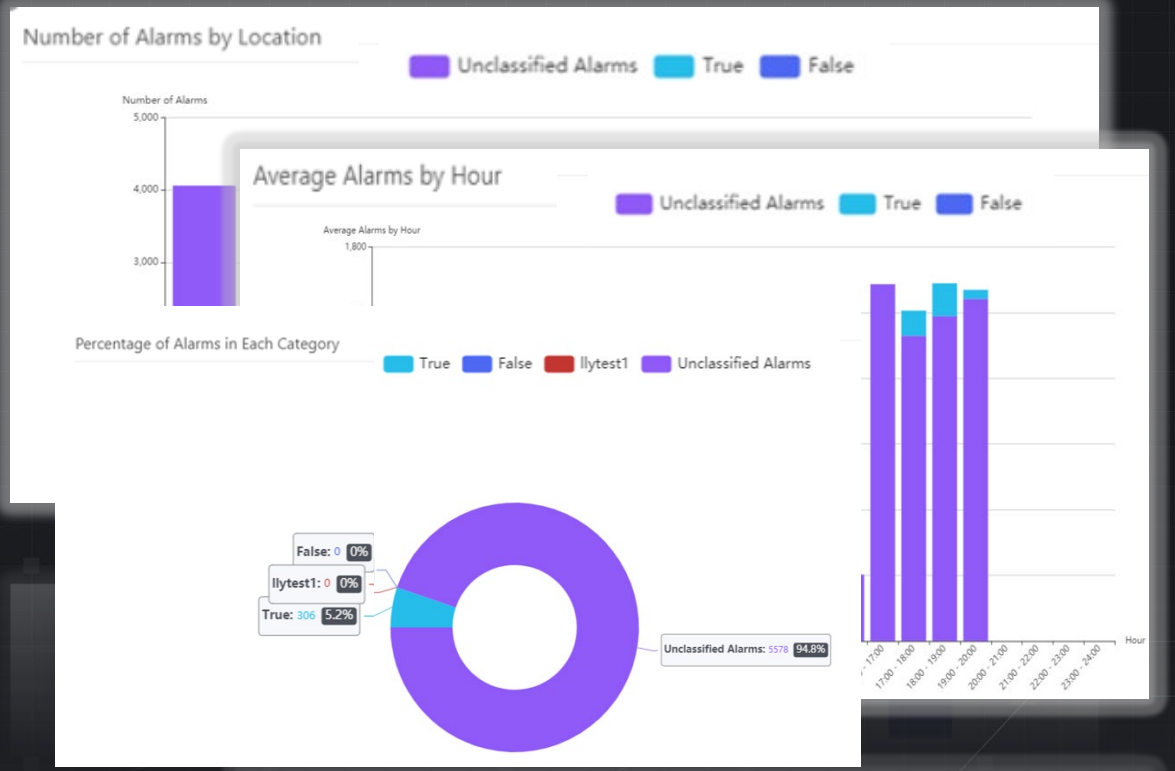
HikCentral Professional Reguard - Enhanced Report

- **Site Security Status Analysis**

1. Number of alarms by location
2. Average alarms by hour
3. Percentage of alarms in each category

- **Operator Work Efficiency Analysis**

1. Number of handled alarms of operator
2. Average responding/handling time of operator
3. Average time consumed for alarms of each priority level



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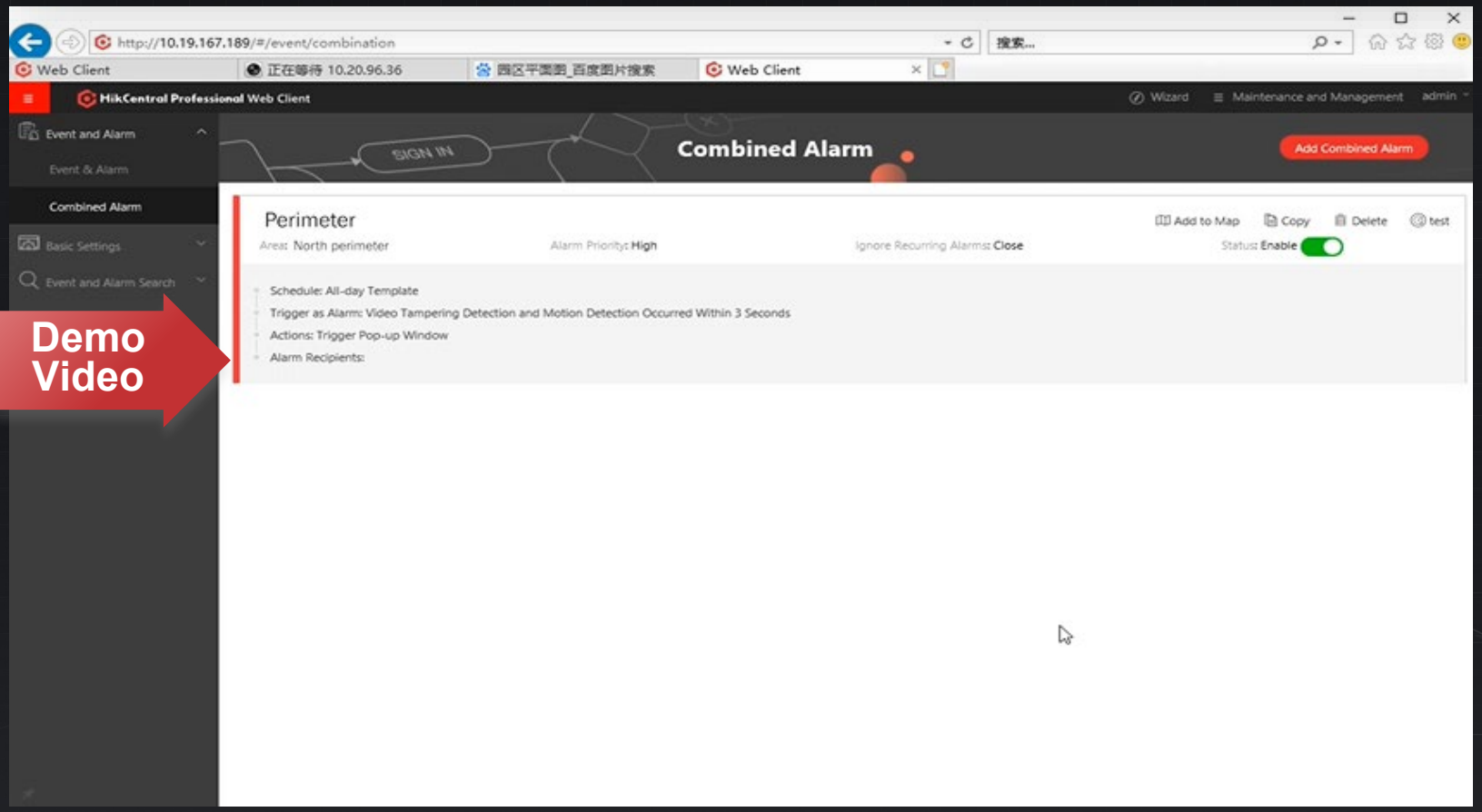
New Advanced Application Introduction - Combined alarm

Combination of any event in the system as needed
Users can easily define any complicated alarm strategies like drawing a flow chart.

Case Study

In order to take care of the elder people, nursing home needs to pay special attention on those who stayed alone.

According to the regulation, elder people cannot leave the nursing home unless they are accompanied with nurses or relatives. When elder people appear at the main gate alone, the alarm will be triggered immediately.



New Advanced Application Introduction -Audio linkage of the system

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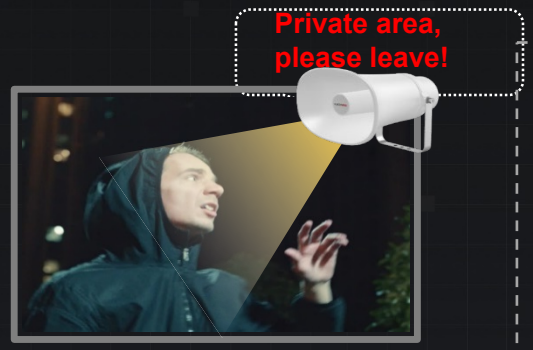
Application of IP Speaker

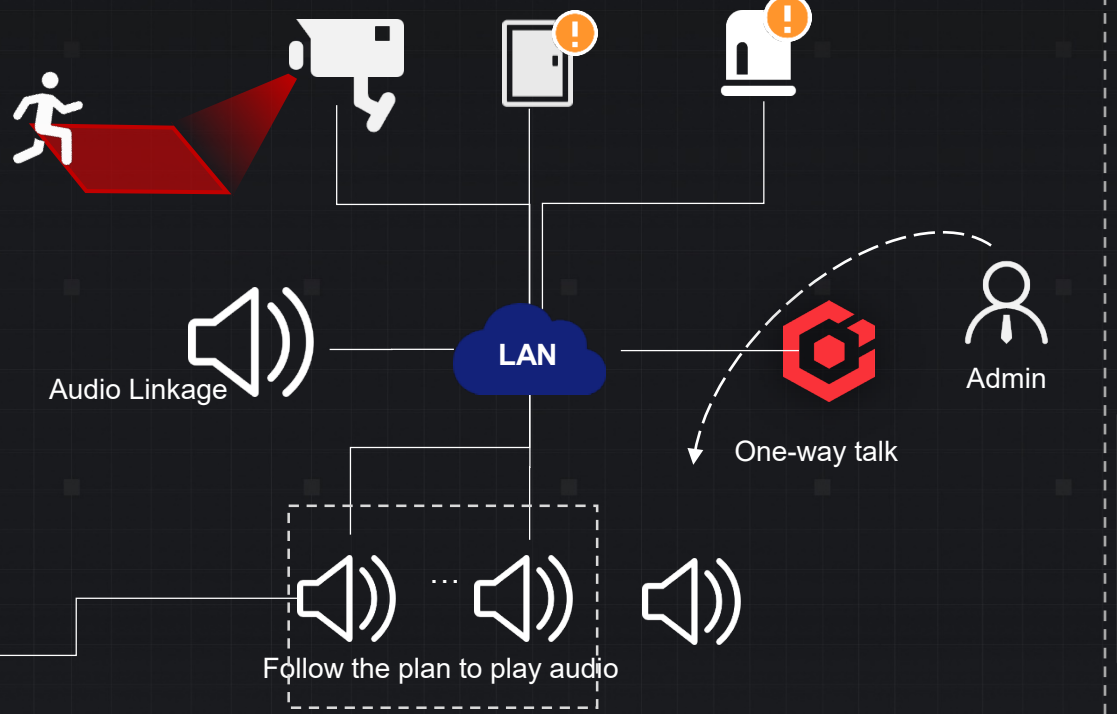


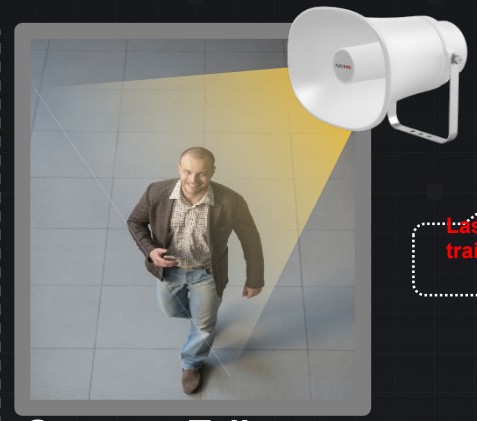
Linkage between Event and Audio

When alarm is triggered by camera/NVR, the IP speaker automatically generate warning audio to deter intruders.

Linkage between Mustering and Audio

Audio broadcasting in case of fire



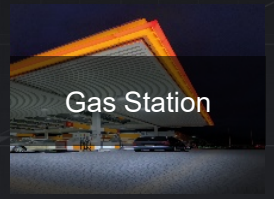


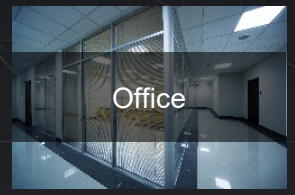
One-way Talk

The operators can talk via IP speaker, giving audio warnings.

Audio Plan

The operators can set specific audio plans for IP speakers to play audio on schedule.





Recommended scenarios

New Advanced Application Introduction - 3rd Party Integration

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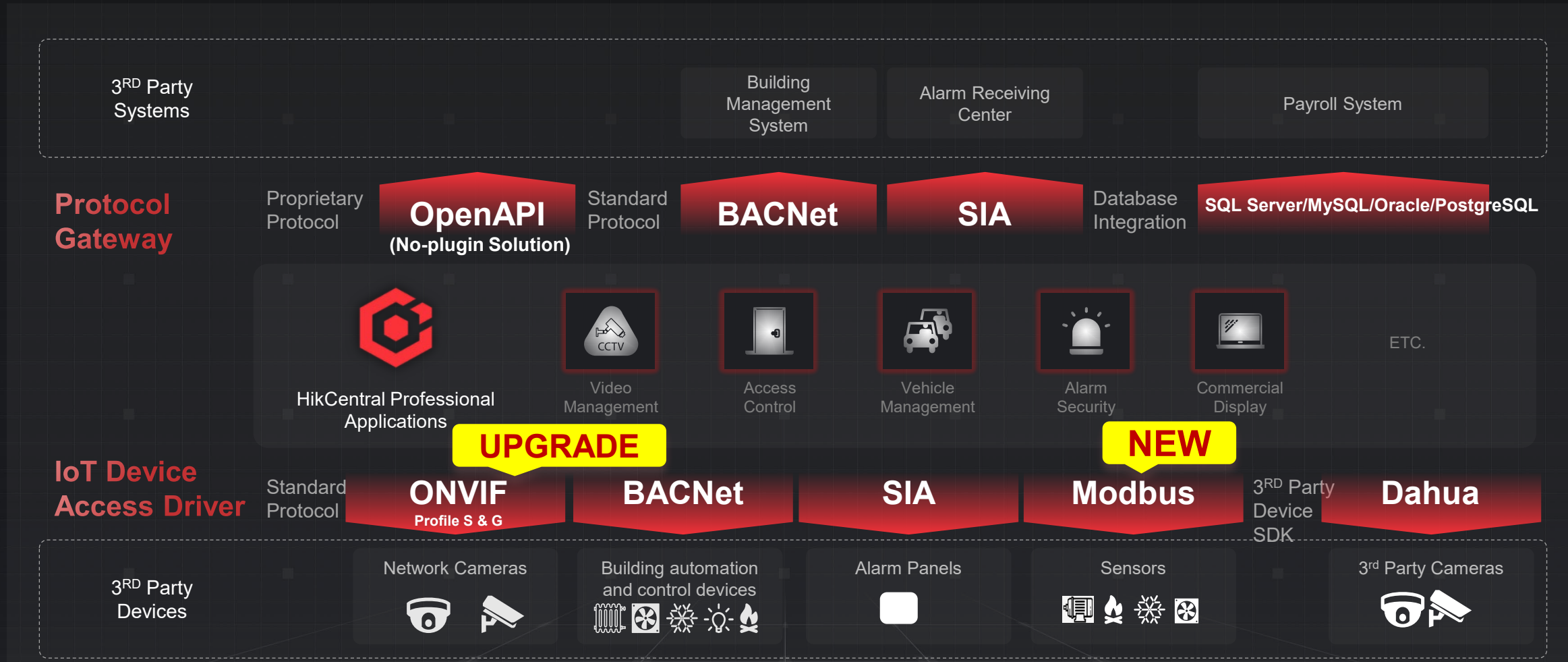
Supported ONVIF Profile S&G & Modbus Protocol



New Advanced Application Introduction - Easy Deployment

Minimum Hardware Requirements

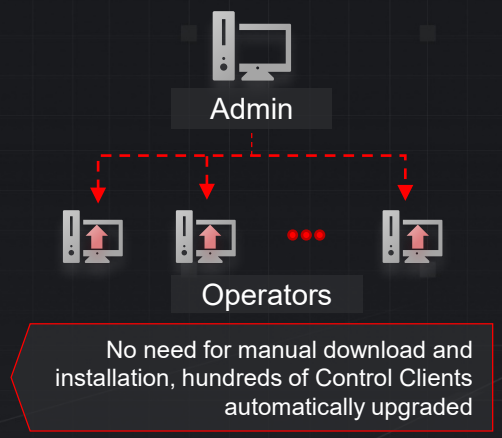
- Server hardware Requirements -
Lower Min. Requirement

Processor	Memory
i3	4GB

Software upgrade

Control Client Auto Update

A huge amount of time saved



VMS All-In-One Server Product

HikCentral Professional Server

HikCentral-P-VSS-Base/HW Series

HikCentral Workstation

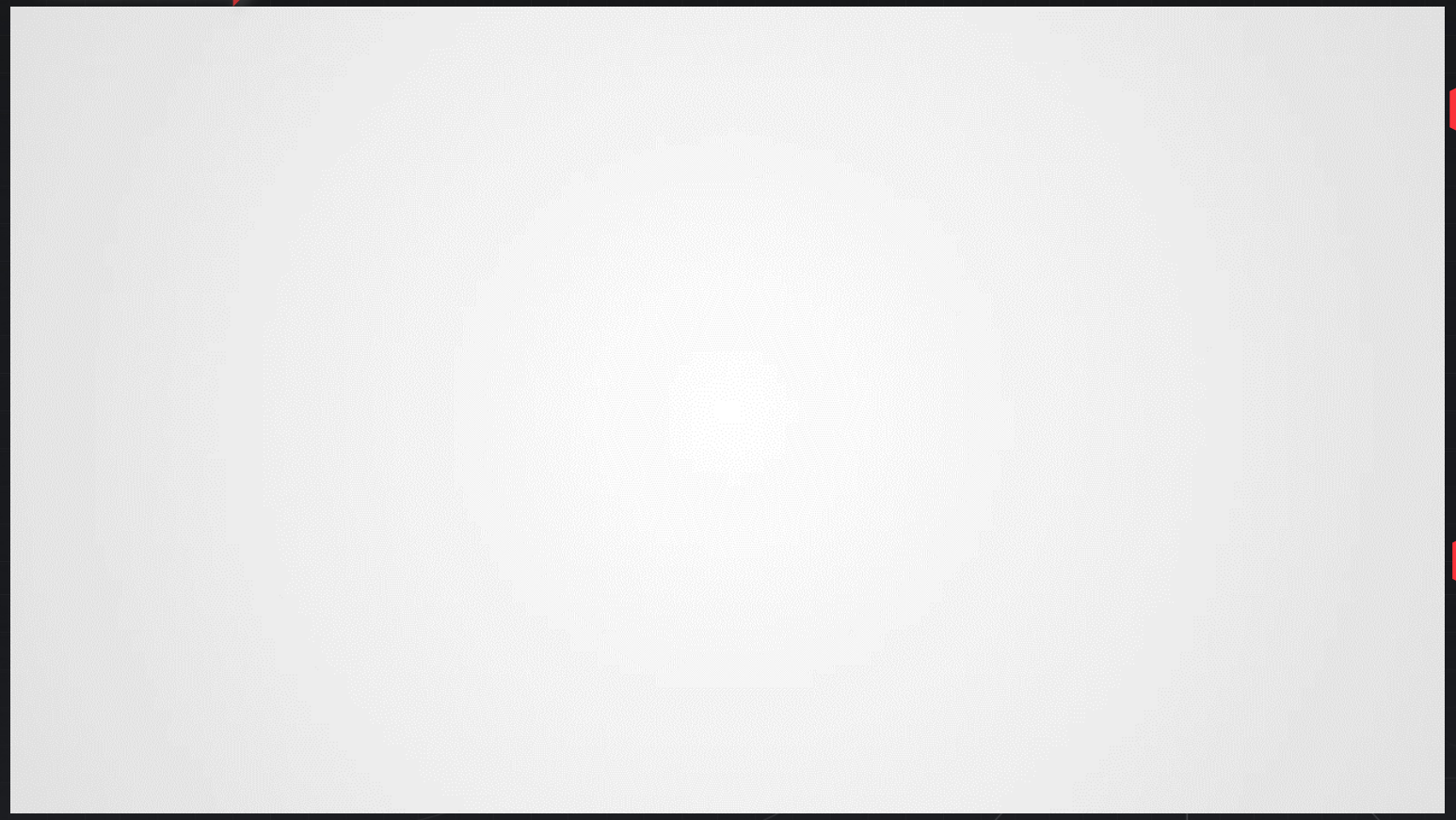
HikCentral-Workstation Series

Product Feature	Hot-selling models	VMS Suggestion
Pre-installed HikCentral Professional software Pre-activated license, ready to use out of box High cost-effective and easy to deliver	HikCentral-Workstation/32	HCP Server and Client (Pre-installed)
	HikCentral-Workstation/64	
	HikCentral-Workstation/128	
	HikCentral-P-VSS-Base/HW/64Ch	HCP Server (Pre-installed)
	HikCentral-P-VSS-Base/HW/300Ch	
	HikCentral-P-RSM-Base/HW/2Site	

New Advanced Application Introduction - Augmented Reality(AR)

AR map

Demo Video



Easily create shortcuts via tags for multiple resources

Add tags on the scenario based on management requirement flexible link all separated camera points together

Easily track targets with dragging and selection

3D tracking, drag to zoom in and view the details
Target tracking, click on the specific person/vehicle to track

Quickly switch scenarios

Directly switch between AR cameras on map

Easy Event Management

Visualized alarm statistics
Receive and handle alarms directly
Diversified alarm types: VCA, ANPR, face, device alarm, etc.

New Advanced Application Introduction - Privacy Protection

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Privacy Protection for Face Recognition

Why is privacy protection needed?

South Africa POPI Act | CCPA COMPLIANT | PDPA COMPLIANCE | General Data Protection Regulation

- As of 2022, **157** countries/regions worldwide have implemented data privacy protection regulations.
- South Africa， Europe, Latin America, and Asia are particularly concerned about privacy protection compliance

What privacy data is protected?

Face image

Event Recording

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Face Image

Generate

Facial Pattern Data

Generate Facial Model

- Convert images into **facial model**.
- Face images can be deleted **automatically in specific period**

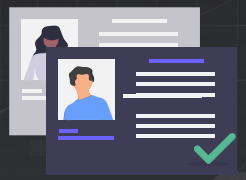
Note: Facial Pattern Data generate by device

Device

Apply Facial Pattern Data

- Apply **Facial Pattern Data** to device instead of face image

Events uploaded without captured face image



- Real time facial images captured by the device when personnel use facial authentication is hidden.

Event storage cycle can be configured.

- The event storage cycle can be configured both in platform and in device

New Advanced Application Introduction - Flexible Time Attendance

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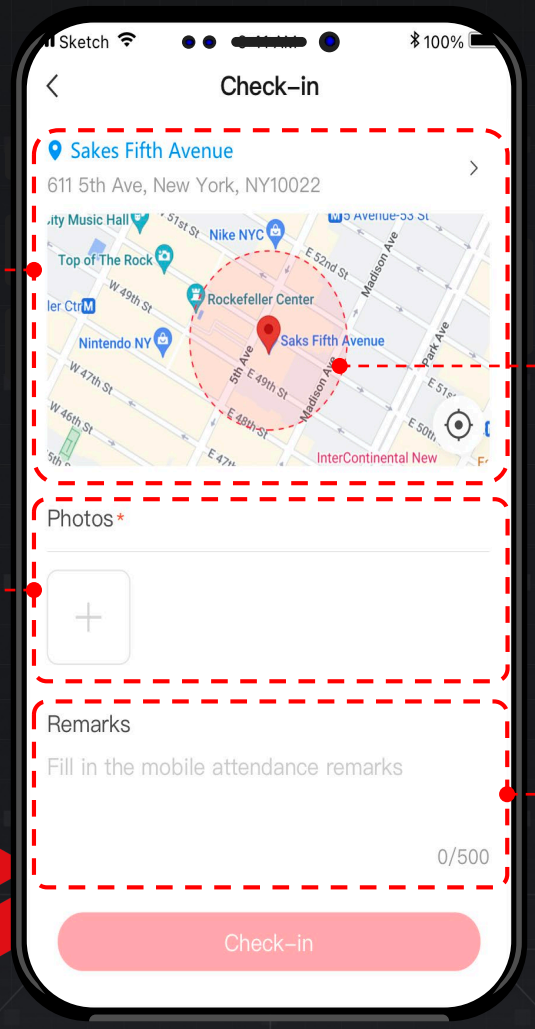
Mobile attendance – Log attendance while on a bussiness trip or working offsite

Real-time location view

Take environmental photos (optional)

- *only the built-in camera of mobile phone is allowed*
- *HR can define whether photos must be uploaded*



Displays the valid GEO fencing

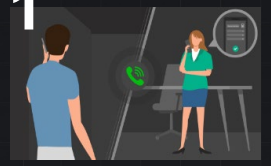
Additional remarks for check in or check out

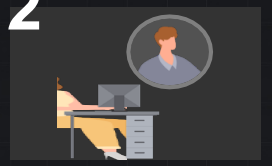
- *Login self-service page with employee ID & password*
- *Support iOS 10.0 and above; Android 6.0 and above*

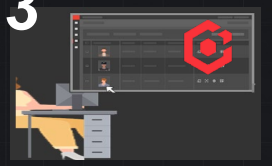
New Advanced Application Introduction - Visitor Reservation by WhatsApp

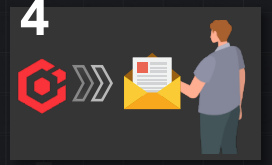
Pre-registration with WhatsApp

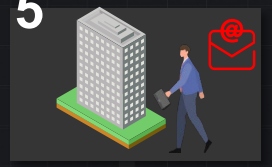
Normal Reservation Flow

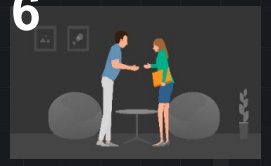
1

Visitor contacts the interviewee

2

The interviewee submits an registration.

3

HR review and approve the registration

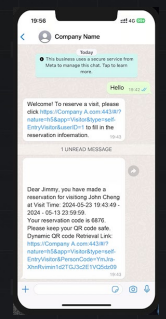
4

Software sends emails to visitors.

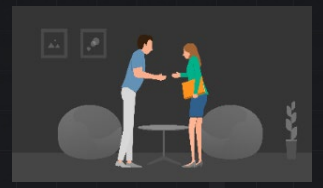
5

Visitor check appointment results via email.

6

Meet the visitor and start meeting.

NEW

Reservation Integration with WhatsApp





1 Make **self-service reservations** via WhatsApp

2 **Instantly notify** visitors of reservation results

3 Meet the visitor and start meeting.

Pain Point

Poor self-service reservation experience
The reservation process is cumbersome, with many steps and a long time.

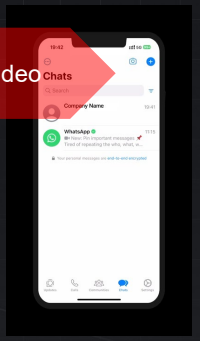
Poor timeliness and easy to ignore.
Only supporting receiving the results by email, which is easy to forget.

Solution

Make a self-service reservation anytime and anywhere:
The steps are simple and concise, saving time.

Visitors will never miss appointment notifications.
The reservation result can be directly checked in WhatsApp.

Demo Video

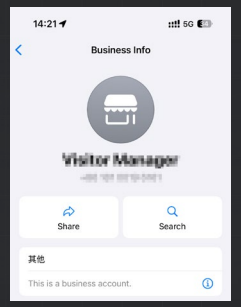


New Advanced Application Introduction - Visitor Reservation by WhatsApp

Pre-registration with WhatsApp

System administrator

Register the WhatsApp business account.

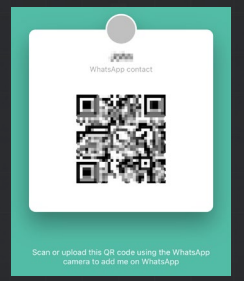


Apply for the WhatsApp business API.

Access Token

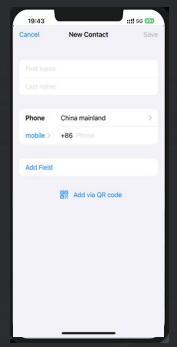
Verification Token

Make the WhatsApp account publicly available.

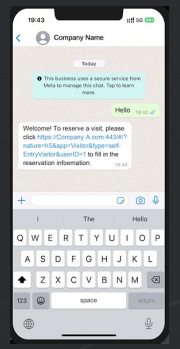


Visitor

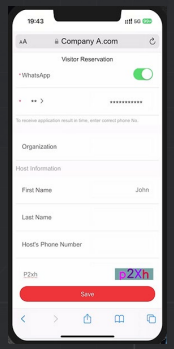
Add Company business account



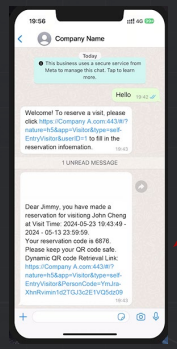
Start a conversation and get the automatically pushed reservation link.



Fill in the reservation information



Receive appointment result

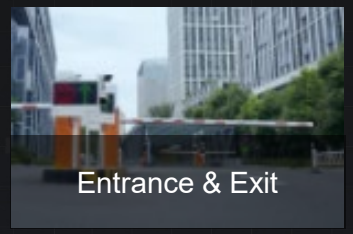


NEW

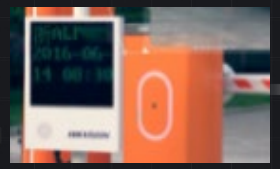
Static QR Code and Dynamic QR Code

*Note: **The cost generated by message push is borne by the users themselves**, and there are 1000 free messages every month.*

New Advanced Application Introduction - Paid Parking Lot Entrance & Exit



Parking Info Display

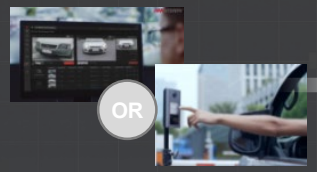


- Date & Time
- Space Availability
- ANPR Result
- Welcome info

ENTER

Temporary Visit

Manual Check-in



- Check-in at booth, or by center via video intercom

Manual Barrier Open

- Barrier opens manually after check-in

Registered Car

Authenticated Egress

- ANPR/Card Authentication
  VIP Notification

Auto Barrier Open

- Barrier opens automatically for authenticated vehicles

Block-list Car

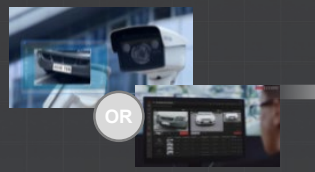
ANPR Block-list Alarm

Barrier Stays Closed

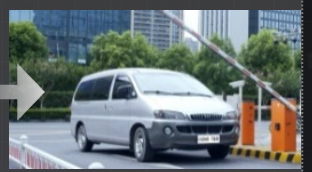
- Auto alarm push to assigned operator(s) at booth or center

EXIT

Authenticated Egress



Barrier Open



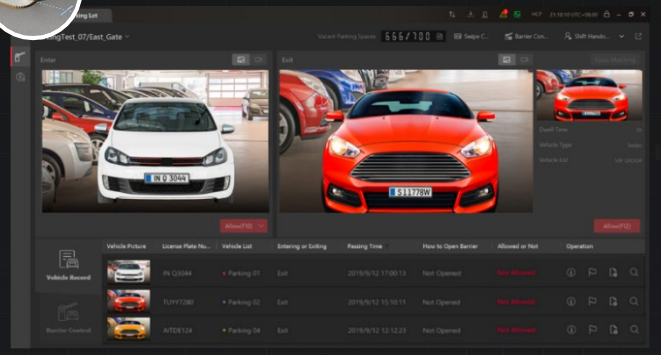
- Manual Check-out at booth, or auto barrier open for exiting

Authenticated Egress

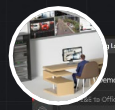
Auto Barrier Open

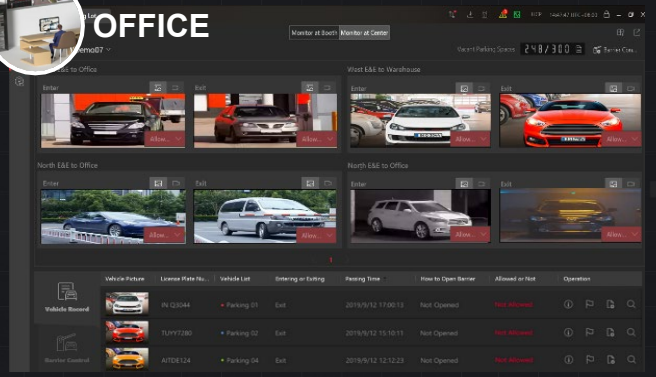
- ANPR/card authentication before exit, or auto exit for all passing vehicles

BOOTH



OFFICE





POWERFUL, FLEXIBLE CONTROL

- Remote office can view and control multiple E&E lanes on one screen
- Manual license plate correction when needed
- Manual barrier control by mouse-click/swipe-card/ batch open or close

New Advanced Application Introduction - Parking Lot Charge

HIKVISION

Efficiency Up by ANPR and Digitized Toll Records

Flexible parking charge rules configuration, auto receipt display and discount options, retrievable vehicle payment records and operator logs helps speed up daily operation and loss prevention efficiency.

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
Within 1 Hours (Initial Parking Duration)	¥4/hour
Over 1 Hour	¥2/Half an Hour
Max. Fee for All-Day Parking	¥50

The vehicles parked for more than 24 hours will be charged again according to the rules above.

Unit Parking Duration

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
All	¥4/Times
Bus	¥8/Times

Session

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
Free parking within 2 minutes.	¥5
2-4hour	¥10
4-8hour	¥15
Max. Fee for All-Day Parking	¥20

The vehicles parked for more than 24 hours will be charged again according to the rules above.

Time Range

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
08:00 - 12:00	¥5
12:00 - 20:00	¥10
20:00 - 08:00	¥15
Max. Fee for All-Day Parking	¥20

The vehicles parked for more than 24 hours will be charged again according to the rules above.

Clock Time

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
Daytime (08:00 - 21:00)	¥5/hour
Nighttime (21:00 - 08:00)	¥10/Times
Max. Fee for All-Day Parking	¥20

The vehicles parked for more than 24 hours will be charged again according to the rules above.

Charge by Time and Session

Parking Fee Notice Example

Free parking within 30 minutes.

Parking Duration	Rates
08:00-12:00	¥2/Half an Hour Max. Fee¥12
12:00-20:00	¥3/Half an Hour Max. Fee¥12
20:00-08:00	¥4/Half an Hour Max. Fee¥12
Max. Fee for All-Day Parking	¥50

The vehicles parked for more than 24 hours will be charged again according to the rules above.

Unit Time Range

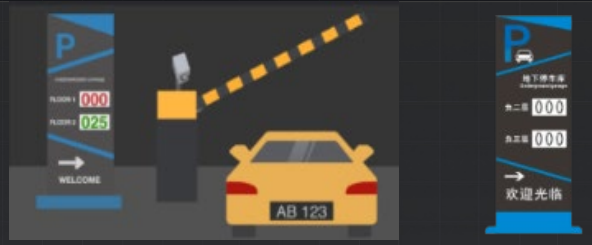
	Temporary	Registered Car	Vehicle in list
Fee calculation			
Clock Time / Time Range / Unit Time Range / Parking Duration / Session / Time and Session / Free	✓		✓
Rule for registered vehicle			
Annual / Monthly / Custom Day (s) / Monthly (Idle Time)		✓	
Discount rule			
Discount / Free discount / Free / Parking Duration Reduction	✓		✓
Exception			
Fixed fee	✓	✓	✓

New Advanced Application Introduction - Parking Guidance

HIKVISION

On Arrival: Quickly find vacant parking space

Quickly locate and find vacant space

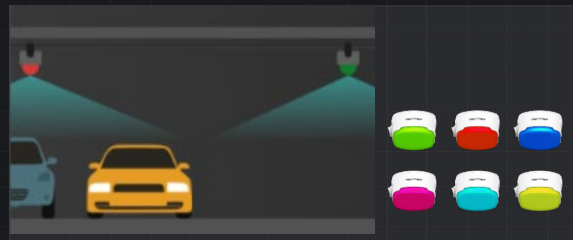


Display space vacancy at entrance

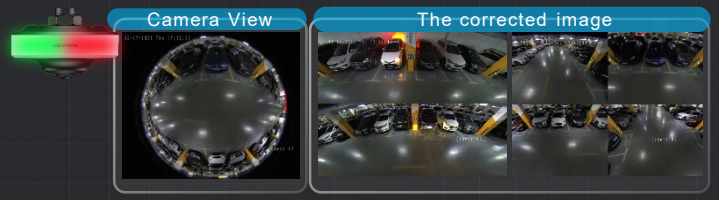
1

- Multi-color display of directions and numbers
- Special parking icons such as Accessible Parking

2



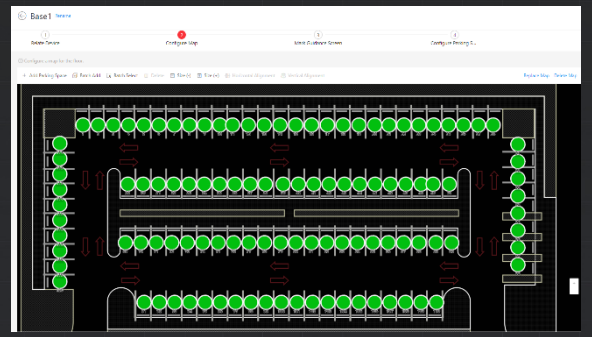
- Various light colors to represent different space types
- Built-in ANPR and parking violation detection



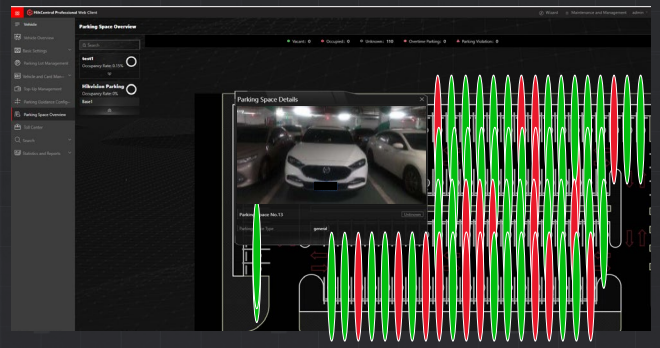
- 1 fisheye camera to monitor multiple parking spaces, reduce total cost

3

Operation & Management



- Follow the standard wizard to finish configuration with visualized experience



- Space full/space limited alarm with onsite signal control
- Click on parking space and get live/history parking video
- Manual edit space number when needed, support scheduled auto space number correction

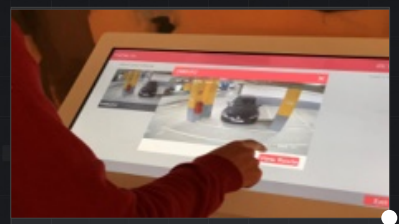
New Advanced Application Introduction - Parking Guidance

On Departure: Quickly Find Where You Parked

Quickly Find Where You Parked, Uplift Convenience and Efficiency

- Self-service parking location inquiry with various searching filters: ANPR license plate fuzzy match, parking space No., time of vehicle entry….
- Parking space location indication on E-map

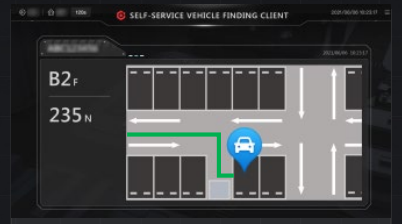
Search Vehicle Parking Location



Driver clicks the screen to start search vehicle parking location.

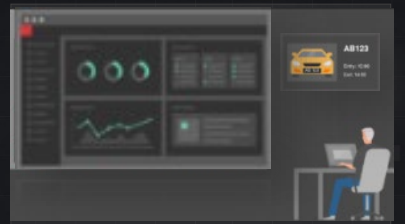
Various search filters: License plate, space No., time and etc.

Driver verifies searching result(s).



- Get e-map indication of vehicle parking location.
- Route guidance to your parked car supported.

Operation & Mgt.



- Device and space management
- Records retrieval
- Statistics and reports
- ...

Parking Inquiry Terminal, deployed next to the parking lot main entrance, elevator or other public locations to guide the visitors.

HIKVISION

HikCentral Professional

Thank You

The Complete Version up to V2.6